

## **APPENDIX E**

### **MAPPING CRITERIA**

Criteria used to develop the Conservation Strategy maps are listed below. In addition, local expertise, site visits, best professional judgment, and review of GIS information were also employed to develop Figures 1 through 13 in the Conservation Strategy.

- 1) Areas within 1.3 miles of CTS breeding sites are considered habitat for CTS, except where isolated by Highway 101 on the West and Santa Rosa Avenue on the East.
- 2) Large open areas that have not been surveyed for CTS are considered potential habitat for CTS and potential habitat for wetlands and listed plants.
- 3) Areas that have intensive urban development, or small isolated parcels that are surrounded by urban development, are not considered CTS habitat. Urban development was defined as lands with most of the footprint covered with hardscape, buildings or other landscaping that would not be suitable as CTS habitat. For example, within the urban boundary of the City of Santa Rosa numerous existing high density housing exists within 1.3 miles of CTS breeding sites.
- 4) Areas described in “Not Likely to Adversely Affect” letters are not considered CTS habitat.
- 5) Areas identified as preserves in pending Section 7 consultations, pending 404 applications or in CEQA documents are included as pending preserves. Mitigation banks that have a Banking Enabling Agreement in draft are also mapped as pending preserves.
- 6) Areas within the FEMA 100 year floodplain generally are not included within the Conservation Areas, unless a substantial portion of the property is outside the floodplain. In addition, floodplain areas and seasonal pools that are subject to flooding from perennial sources (such as the Laguna de Santa Rosa) are considered not likely to support CTS breeding, but may have wetlands and listed plants. This is due to the high likelihood of CTS predators in pools within the floodplain. Periodically flooded uplands within the 100 year floodplain may be considered CTS habitat if located near predator-free breeding pools.
- 7) Areas not mapped as CTS habitat may contain wetlands and listed plants.
- 8) Lands above 300 feet in elevation are not considered CTS and listed plant habitat.
- 9) Lands on the western edge of the Laguna de Santa Rosa are not habitat for CTS, however, these lands have potential to support listed plants and wetlands.
- 10) Wooded riparian corridors are not considered CTS habitat except rarely as dispersal routes.

11) Areas in Bennett Valley around Dan Galvin Park and the Bennett Valley Golf Course (as mapped) are not likely to support CTS and listed plants but this area may support wetlands.

12) The Conservation Strategy study area includes the potential range for the CTS (as developed by FWS for the survey protocol) and the distribution of listed plants within the Santa Rosa Plain as described in the programmatic biological opinion.